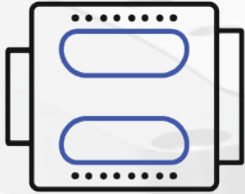


Linear Motion Systems



ALIO's linear products have been designed and manufactured to have no equal in terms of performance and reliability. ALIO's "mechanical" bearing stages can perform at a level of precision that alternative suppliers struggle to match with their "air" bearing stages. ALIO's focus on 6-D Nano Precision® only — while others design and build to the 2-D world of planar repeatability and accuracy — keeps the company on the leading edge. All of the ALIO linear stage product families exhibit world class performance, component choice being dictated by the demands of exacting applications and cost sensitivity.

ALIO does not build legacy products and is acutely aware of the 6-dimensional errors associated with simple linear motion. ALIO designs and manufactures with these issues in sharp focus with unique manufacturing techniques and leading-edge components tested to NIST traceable nano results.



XY Travel

30mm – 450mm



Velocity

0.3 – 1.0 m/sec



Linear Resolution

<5nm



Bi-Directional
Repeatability

Down to +/- 30nm



Displacement
Accuracy

~<1.0µm



Find Products &
Details



Linear X Stage



Asymmetrical, Monolithic XY Stage



Open-centered, Monolithic XY Stage



Enclosed, Monolithic XY Stage



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